

IN THE ABSTRACT OF THE DISCLOSURE:

Please amend replace the abstract as follow with the following new abstract:

ABSTRACT

An X-ray CT apparatus ~~according to the present invention is designed to greatly shorten the takes a short time taken for image processings in irradiating a cone beam X-ray to the whole jaw₁ including a dental arc₁ and to a local region₁ such as a region around a tooth and a jaw joint and obtaining to obtain~~ a panoramic image showing conditions of a dental row, ~~teethridge, and tissue and bone~~. The imaging apparatus includes ~~a reverse L-shaped fixing column~~, a rotative arm suspended at ~~the one end thereof of a support column~~, and ~~an~~ X-ray generating device and a two-dimensional X-ray detecting device oppositely fixed to ~~the respective ends of the~~ rotative arm ~~respectively~~. The rotative arm is ~~horizontally supported in the rotatable state via a dual rotation system with respect to the column~~. An object to be examined sits on a chair which is movable upward and downward, and an examining region is adjusted to ~~a the~~ height of ~~the~~ imaging center of the imaging apparatus. The object's head is fixed by a fine-adjustable head holder. Imaging is performed so that ~~a the~~ distance between rotation centers of the two rotation systems substantially coincides with the object's dental arc.